

THE TECH

VOL. XXVII. No. 77

BOSTON, MASS., FRIDAY, MAY 1, 1908

PRICE THREE CENTS

SOPHOMORES ARE BEATEN BY ROXBURY HIGH TEAM.

SCORE OF 6-2.

Two Games Were Played on the Field at the Same Time.

Owing to a misunderstanding there were two baseball games scheduled at the Field for Wednesday. The freshmen played Stone School and the sophomores Roxbury High.

The freshmen came first but were obliged during the middle of their game to give way to the sophomores. They left the main diamond and set up at the other end of the field.

For some time both games were going on at once. The sophomore game lasted until half past six, Roxbury winning, 6-2.

Dillon was touched up freely and received poor support. Roxbury played a steady fielding game, and Conklin was very effective, allowing but three hits and striking out five men.

Summary:

ROXBURY H. S.

	bh	po	a	e
Bond ss	0	2	3	1
Hayes rf	1	3	0	0
J. Haggerty cf	1	1	1	0
McCarthy lb	0	11	1	1
Ostergram 2b	2	1	4	0
W. Haggerty c	3	5	2	1
Cannon 3b	3	4	1	2
Conklin p	1	0	2	0
Reddington lf	1	0	0	0
Totals	12	27	13	5

TECHNOLOGY 1910.

	bh	po	a	e
Billings ss	0	3	3	0
Dillon p	0	0	2	2
O'Hearn c	1	5	2	0
Osborne 3b	0	2	2	0
C. Jones rf	1	3	0	0
French 2b	0	3	2	1
Waller lb	0	9	1	1
Hurley rf	1	1	0	0
Havorsen lf	0	1	0	0
Horne 3b	0	0	1	0
Totals	3	27	13	4

Innings	1	2	3	4	5	6	7	8	9
Roxbury H. S.	2	0	2	0	0	0	0	2	—6
Tech 1910	0	0	1	0	0	0	1	0	—2

Runs made by J. Haggerty 2, Hayes, Ostergram, W. Haggerty, Havorsen, Cannon, O'Hearn. Two-base hits, Cannon, J. Haggerty. Three-base hit, Cannon. Stolen bases, French, Cannon, Jones, Hurley, Billings, O'Hearn, Conklin, Havorsen. Base on balls, off Dillon, off Conklin 3. Struck out, by Dillon, by Conklin 5. Double play, Bond to McCarthy to Cannon. Hit by pitched ball, Horne. Umpire, Wentworth. Time, 2h.

19 ERRORS, 30 RUNS.

Freshmen Win From Stone School 17-13.

In a wildly exciting see-saw game of 19 errors and 30 runs the freshmen won from Stone's School at the Field Wednesday, by a score of 17 to 13. At times the freshmen played together well and showed the makings of a good team. The feature of the game was a put out by Parker through the assistance of Johnson. A hot liner glanced from the latter's glove only to pop into the former's hands. Johnson and Odell put up the best game of ball for 1911. The sophomores last week defeated Stone 12 to 7.

Innings	1	2	3	4	5	6	7	8	9
M.I.T.	1911	4	2	0	0	7	2	2	—17
Stone	1911	2	3	1	0	0	4	0	—13

Batteries, Cowee and Williams; Waterman and Joy.

COST OF LIVING.

Mrs. Ellen H. Richards of the chemical department spoke Wednesday evening to a fraternity of churches in Jamaica Plain on "The Cost of Living."

INDICATIONS ALL POINT TO A VICTORY FOR TECHNOLOGY IN MEET WITH MAINE SATURDAY.

CLOSE COMPETITION EXPECTED IN ALL EVENTS.

Maine's Strongest Point Seems to Lie in the Track Events While Technology is Best in the Weights.

Technology's meet with the University of Maine this Saturday gives promise of some close competition.

At first it was generally supposed that the meet would be an easy thing for the Boston team, but several causes have contributed toward destroying the certainty that previously existed.

The condition of some members of the Tech team is very unfavorable. Several of the best men have been used up by the part they took in the Tech Show. One of these, P. D. White, the star half-miler, will probably not compete at all. Some others on the team have not had enough time to practice, and G. Schobinger, who is regarded as the probable winner in the broad jump, will be handicapped by a bruised heel.

Chapman, McGregor, Albrow and Eaton, all of whom won first places in last year's Maine meet, have either graduated from the Institute or have given up athletics, and their loss will be severely felt. On the other hand some of the Tech track men have been doing exceptionally good work, and some individual performances and fast times may be looked for.

The field events are also receiving their share of attention, and with the exception of the shot-put, appear to be a clean sweep for Technology.

Maine's strongest points lie in the track events, in which the old timers, Cook, Bean, Knight and Fortier, will be depended upon. Two freshmen, Whitney and Pond, may upset calculations, however. The freshmen at the Orono institution have shown themselves especially good at track work and have strengthened the team to no inconsiderable extent. They won second place in the spring class meet, and furnish promising material for the varsity team.

The Technology men who won first places last year in the Maine meet,

and who will compete Saturday are: C. W. Gram, Captain T. W. Orr, G. Schobinger, M. R. Scharff and L. D. Nisbet. The hopes of the Boston team do not, however, lie with them alone. Freshmen are expected to win at least two events; and K. D. Fernstrom and L. O. Mills will probably do their share for the sophomores.

In the pole vault both Captain T. W. Orr and G. Schobinger have been going over 10 feet 6 inches, while the last Maine performance on record was no better than nine feet. This was done in the spring class meet by L. Rogers, a freshman. E. L. Towle who won a point in this even last year will not compete.

In the discus throw both L. D. Nisbet and M. E. Allen will represent Tech, while Maine's only point winner in this event last year will not appear.

The shot put, an event in which Maine will surely star, seems to be at the mercy of the last year's winner, H. L. Farwell of Maine. He has, however, been beaten in competition by one of his classmates, H. P. Higgins. But Maine's tactics in this regard are somewhat obscure, for the latter man has not been entered in the event, competing in the broad jump instead.

In the low hurdles, R. E. Clayton of Maine, who easily won his event last year has graduated, but the winner of the high jump, Captain C. P. Meserve, is expected to even better his last year's performance. He will be well pushed by Rapelye and Allen of Tech. Both of these men did exceptional work in the Tech spring games, in which the event was won on a cold day at 5 feet 9 inches.

The dashes afford the largest field for speculation. W. J. Seligman, a freshman at Tech and R. B. Pond of the same class at Maine have done ex-

NEW BEDFORD HIGH WINS.

Captures Cup From Large Field in Prize Drill.

New Bedford high school walked off with the team prize in the annual interscholastic championship drill Wednesday afternoon in the South Armory under the auspices of the Technology corps of cadets. H. W. Smith of New Bedford won the individual cup, and E. W. Taft of Gloucester was placed second. Chelsea high school and Wakefield high were tied for second place in the team competition, and Gloucester high was third.

Fourteen high schools were represented, namely,—Hyde Park, Gloucester, Chelsea, Medford, Fall River, Northbridge, New Bedford, Lowell, Wakefield, Brockton, Concord, N. H., Methuen, Lynn English, and Stoneham. The judges were Capt. I. W. Wilson, 1st artillery, MVM; Capt. F. S. Elliot, 8th infantry MVM, and 1st Lieut. G. H. Daniels, 5th infantry MVM.

It was evident from the very start that H. W. Smith and E. W. Taft were the best, both going through their movements like regulars. The Chelsea boys stood up well while Wakefield's chances seemed equally good, with the whole team on the squad.

After the evening parade of the Tech battalion the squad of schoolboys were again marched on the floor and Major Fred Wheeler presented the team prize to H. W. Smith as well as the individual prize. To Taft was presented the second prize. Aside from the first two the individual standings were T. C. Lampee, Chelsea, third; H. I. Wordell, New Bedford, fourth; J. Barton, Wakefield, fifth.

The committee in charge was made up of Adj. A. F. Herold chairman; Sergts. C. S. Anderson, L. B. Weeks, D. N. Frazier, C. P. Kerr; Privates, L. C. Cooley, G. A. Cowee.

SOPHOMORES LOSE CAPTAIN.

By the temporary withdrawal of Captain W. J. O'Hearn, the 1910 baseball team will sustain a heavy loss. O'Hearn will be unable to play until the beginning of the freshman series. He has played a consistent and remarkably good game thus far this season both in the field and at the bat. A new man will have to be developed for the backstop position and this task, coming so late in the season, will be a difficult one. A temporary captain will be elected today after the practice to be held at 4.15 in the vacant lot in front of the Lowell building.

The following men will be taken to Bridgewater Saturday:—Hurley, Horne, Waller, C. Jones, R. Jones, Dillon, Billings, French, Nichols, Harrison, and Everett.

EXAMS ARE NOT ALL.

G. W. Mehaffey Says There Are Greater Things.

G. W. Mehaffey, general secretary of the Boston Y. M. C. A. was the speaker at yesterday's meeting of the Tech Y. M. C. A. Among other things he said "here at the Institute the men are likely to be so busy with their studies as to neglect many other things and this often results in the loss of greater things. Just at the present time you are busy preparing for exams. Exams may come and go but the world lives on."

"The men who mass millions have to erect their own monuments, but it is the people who erect monuments to those who serve their fellowmen."

Prof. Dwight Porter will be the speaker at the next and last meeting of the club for the present year. The club will hold a dinner at the Union Tuesday at 6 P. M. All members and fellows interested are invited to be present.

BIOLOGISTS HEAR TALK ON TYPHOID AT LAST DINNER.

NEW IDEAS EXPLAINED.

Mr. George C. Whipple of New York Lectures on His New Book.

TECH EXTRA.

Last night at the last dinner of the Biological Society for the year, Mr. George C. Whipple, the prominent sanitary engineer, of the firm of Hazen and Whipple, New York, gave an interesting illustrated talk on "Typhoid Fever."

Mr. Whipple is a graduate of Course I 1889. The talk was the occasion of the first public lecture on the substance of his new book on typhoid.

After alluding to the present prevalence of the disease Mr. Whipple pointed out the difference between the old theory and the new. The old theory taught that typhoid was a purely local intestine disease, the germs entering at the mouth and fastening themselves on the walls of the intestines. The new idea goes farther as it is now known that the germ permeates the walls of the intestines and from there gets into the spleen where it grows rapidly, getting into the blood and from thence over the whole system. It has lately been discovered that the rise in temperature of the body is due to the reaction upon these germs in the blood.

The principal means of propagation, according to Mr. Whipple, are in the water supply, milk supply, and particularly exposure to the disease in almost any way. Mild cases give the most trouble, for although they give off the germ just as easily as the worst ones they are not properly taken care of.

To stamp out the disease wholly a

(Continued on page 2.)

C. E. SOCIETY DINNER TO HAVE BIG ENGINEERS.

STEVENS IS ONE.

All Preparations Made For Big Banquet. Tickets Now On Sale.

John F. Stevens, formerly chief engineer of the Panama Canal, will be the principal speaker at the annual dinner of the civil engineering society to be held at the American House, Monday evening. He will give an account of his work on the canal and other experiences in engineering work.

Among other speakers will be Desmond Fitzgerald, member of the Institute Corporation and ex-president of the American Society of Civil Engineers; Frank Gilbreth, the well known construction engineer, and Professor George F. Swain, head of the Institute civil engineering department.

An attempt is being made by the society to have a large attendance of alumni members, the undergraduate members of the society sending out invitations. Tickets may be obtained from Raymond W. Parlin 1907, Clifford H. Boylston 1908, Harry V. Spurr 1908, John T. Tobin 1908, Herbert T. Gerrish 1908, P. H. Smith 1908, J. H. H. Harwood 1908, S. N. McCain 1908 and L. D. Nisbet 1909, R. Mack 1910, and H. I. Pearl 1910. The price is \$1.50.

COURSE III VICTORIOUS.

Eleven Runs in One Inning of Exciting Ball Game.

Course III defeated the mechanical engineers by a score of 24 to 10. Every man made at least one run. Runs made by Course II:—Standley 2, Brown, Rountree, Simm, Fick, Weill, Smith, Allen 2, Robinson 2.

By Course III:—Merriman 2, Daly 3, White 4, Miller 3, Reed 3, Strobel 2, Chapman 2, Pearce, Gregory.

Course III ... 0 1 3 1 0 3 11 4 x—24
Course II ... 1 0 1 0 4 0 0 2—10
Umpire, Van Inwegen. Attendance, 40.

THE TECH

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Friday, May 1, 1908.

COMMUNICATION.

This is the time of year when every college and technical school in Eastern U. S. and Canada is turning its attention to Northfield, the great objective. The 750 men who gathered there from our colleges last year, will not need a second invitation,—no one ever forgets Northfield. The Institute would not lag behind in its delegations if it were not for the unfortunate time of the conference and our very busy summers, but ignorance of the existence of such a large movement would, indeed, be a calamity. Summer conferences are evoking sincere and enthusiastic support from 200,000 of our fellow students in North America every spring and no sane Tech man would wish for a moment to be ignorant of so remarkable a movement. Furthermore, there is no need of it.

The matter will be ably presented in a brief talk next Tuesday evening at the Y. M. C. A. dinner by our State Secretary, Roger Benton Hull. There will also be plans of first importance to next year's work considered briefly but definitely.

Every Technology man who appreciates the force existing at Northfield, and who has a spark of desire to see the Young Men's Christian Association well launched on next year's work, ought to make a great effort to be at the Union Tuesday evening at 6.00 P.M.

The supper will cost 35 or 40 cents and will be over early. Notice of desire to attend must be given before 9 A. M. on Monday.

L. W. Brock, for the Association.

PHYSICS DEPARTMENT THESES.

Important Attempt To Find New Photometric Standard.

Valuable investigations are those being carried on in the physics department by candidates for degrees. Work is being done on a photometric standard, on constants for concrete and for pipe coverings, and on the production of titanium carbide.

J. K. Heydon, Course VIII is working on a new photometric standard. A carbon filament is surrounded by a platinum box and both are sealed in an evacuated electric light bulb. A current is then sent through the filament, heating it and the surrounding platinum. The measurement will consist in determining the electrical energy put into the filament and the candle power of the light emitted. The object is to see if on delivering a definite amount of energy the candle power is always the same.

A. H. Tashjian, A. B., is carrying on experiments on the thermal conductivity and the coefficient of expansion of concrete.

Clark and Spiehler, Course II are measuring the thermal conductivity of different thicknesses of magnesia-asbestos pipe covering.

J. H. Locke and R. E. Shirmer, Course VIII are working in the electro-chemical laboratory on titanium carbide. Their object is to produce the carbide in the electric furnace and to test its properties as an abrasive.

E. C. Story, Course VIII is working on the electrolytic reduction of aluminum in melted cryolite.

BIOLOGISTS HEAR TALK.

(Continued from page 1.)

great amount of work must be done, and the responsibility rests not only on the authorities, and doctors, but on the patient himself, and his family. The authorities can pasteurize the milk, filter the water, conduct a supervision of shell fish, garden truck and the so-called "spring" waters, and disinfect the sewage. In case of disease the physician should instruct the household in regard to cleaning and disinfecting and they should obey his orders. Thorough co-operation is necessary.

Mr. Whipple gave a number of instances illustrated by lantern slides, of the decrease in typhoid when the water supply was changed for the better, citing Newark, N. J., Jersey City, Lawrence, Mass., St. Louis, Mo., Albany, N. Y., and others, where filtering plants had been substituted for impure river water.

Speaking of Boston Mr. Whipple said that although the present conditions were satisfactory, they would not be so in the near future, and predicted that before long Boston would have to follow the lead of the other large cities and install a filtering plant.

EIGHT IN COMPETITION.

Men Working For Position of Second Assistant Track Manager.

Candidates for assistant track manager to the number of eight men answered the call of Manager D. C. McMurtre. The men were given a talk on the work and each assigned his share.

The competition promises to be keen as the successful man will stand a good show for the managership two years hence. The appointment as a result of competition will take place next fall.

The following freshmen reported: W. Rowe McCune, W. J. Seigman, W. Hildebrand, W. L. Coburn, K. W. Faunce, J. B. Cheney, L. G. Glazier, H. D. Williams.

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INDICATIONS ALL POINT.

(Continued from page 1.)

ceptional work, and are worthy rivals of their older and more experienced team mates, C. W. Gram and H. J. Cook.

In the distance runs, F. E. Fortier of Maine, who won the mile in the dual meet last year, will be the star. He is expected to run the half-mile this year and should be able to win without much trouble.

The Technology two-mile squad, composed almost wholly of cross-country men, is in fine condition. The men will meet a worthy opponent in B. B. Whitney who holds the two-mile indoor record at Maine.

In this race Tech is depending mostly upon the work of H. H. Howland.

The order will be as follows:

Track events: 100-yard dash, trial heats; one-mile run, 120-yard hurdles, trial heats, 440-yard run, 100-yard dash, final heat, 120-yard hurdles, final heat, 880-yard run, 220-yard dash, trial heats, 220-yard hurdles, trial heats, Two-mile run, 220-yard dash, final heat, 220-yard hurdles, final heat.

Field events: High jump, shot put, broad jump, hammer throw, pole vault, discus throw.

The entries for the meet are as follows:

TECHNOLOGY ENTRIES.

100-yard dash—C. W. Gram, W. J. Seligman, J. H. Ruckman, K. D. Fernstrom, H. Lockett, L. A. Loomis.
220-yard dash—C. W. Gram, W. J. Seligman, K. D. Fernstrom, J. H. Ruckman, W. C. Salisbury, L. A. Loomis.
440-yard dash—W. C. Salisbury, H. W. Blackburn, L. A. Loomis, H. Lockett, G. B. Cummings.
880-yard run—B. L. Gimson, P. D. White, H. Lockett, G. H. Magee, P. Hart.

One-mile run—L. O. Mills, W. T. MacCreadie, J. D. Mackenzie, J. F. McCarthy, H. H. Howland.

Two-mile run—H. H. Howland, J. F. McCarthy, C. P. Eldred, J. D. Mackenzie, J. N. Stephenson.

120-yard hurdles—F. F. Bell, K. D. Fernstrom, G. Schobinger, G. B. Cummings.

220-yard hurdles—K. D. Fernstrom, C. W. Gram, G. B. Cummings, F. D. Stewart, D. C. McMurtrie.

Pole Vault—T. W. Orr, G. Schobinger, W. D. Allen, W. C. Salisbury.

High Jump—H. A. Rapelye, R. H. Allen, E. Stuart, A. R. Nagle.
Broad Jump—G. Schobinger, J. A. Christie, T. W. Orr, H. E. Whitaker.
Shot Put—F. Moore, W. Morrison, F. J. Friedman, M. Flagg, M. E. Allen.
Hammer Throw—M. Flagg, M. R. Scharff, F. Moore, W. Morrison, F. A. Burton.
Discus Throw—L. D. Nisbet, M. E. Allen, W. Morrison, R. H. Nichols.

MAINE ENTRIES.

100-yard dash—R. B. Pond, H. J. Cook, E. T. Walker, C. F. Smith.
220-yard dash—R. B. Pond, H. J. Cook, R. P. Littlefield.

TECH—TWO
440-yard dash—R. P. Littlefield, E. T. Walker, C. H. Bean, F. E. Fortier, N. C. Pinkham.

880-yard run—C. H. Bean, F. E. Fortier, G. E. Springer, V. R. Chadbourne.

One-mile run—W. M. Hicks, W. A. Cook, F. E. Fortier.

Two-mile run—H. K. Dyer, B. B. Whitney, A. W. Stevens.

120-yard hurdles—F. D. Knight, N. E. Smith, L. E. Drew.

220-yard hurdles—F. D. Knight, N. E. Smith, L. E. Drew.

Pole Vault—A. L. Scott, L. Rogers, A. C. Hammond.

Broad Jump—A. F. Cook, C. F. Smith, H. P. Higgins.

High Jump—C. P. Meserve, A. L. Scott, G. A. Phillips.

Shot Put—H. L. Farwell, V. R. Ray, H. G. Walden, G. D. Bearce.

Discus Throw—H. G. Walden, W. M. Black, P. S. Strout, V. R. Ray.

Hammer Throw—W. M. Black, A. K. Gardener, V. R. Ray, G. D. Bearce.

The choice of officials has been especially good. Those who will decide the events are:

Referee, Marland L. Pratt, B. A. A. Starter, Joseph J. MacNamara.
Judges at finish: Eugene Buckley, Boston Globe; Dean Alfred A. Burton, M. I. T.; John L. Behneke, B. A. A.
Field Judges: Frank H. Briggs, M. I. T. '81; R. S. Franklin, M. I. T. '03; J. H. Burleigh, U. of M. '07.
Measurers: J. P. Harvell, U. of M. '07; George T. Glover, M. I. T. '08; Prof. Arthur T. Robinson, M. I. T.
Timers, Charles H. Carter, B. A. A.; J. B. Pendleton, Bowdoin; Winfield C. Towne, Bowdoin, '03.
Chief Inspector, J. Arnold Rockwell, M. I. T. '06.

(Continued on page 4.)

The Technology Review

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OF TECHNOLOGY

AND

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(Continued from page 3.)

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CALENDAR.

Friday, May 1.

1.30 P. M. Glee Club Rehearses in 26 Rogers.

4.15 P. M. Banjo Club Rehearses in 33 Rogers.

Saturday, May 2.

2.30 P. M. Track Meet vs U. of Maine at the Field.

Sunday, May 3.

8.00 P. M. Catholic Club Receives Communion at the Cathedral.

Monday, May 4.

1.30 P. M. Glee Club Rehearses in 26 Rogers.

3.00 P. M. Track Team Practices at the Field.

4.15 P. M. Mandolin Club Rehearses in 31 Rogers.

6.30 P. M. Civil Engineering Society Dines at the American House.

7.45 P. M. Mechanical Engineering Society Meets at the Union.

NOTICES.

GOLF CLUB.—Meeting in 22 Rogers tomorrow at 1 P. M. All interested are requested to be present.

MECHANICAL ENGINEERING SOCIETY.—Meeting Monday evening at 7.45 at the Union. There will be an election of officers.

Y. M. C. A. DINNER.—The annual dinner of the Tech Y. M. C. A. will be held at the Union Tuesday night, May 5, at 6.00 P. M. Plans for Northfield and for the coming year will be discussed at this important meeting.

CIVIL ENGINEERING SOCIETY.—The annual banquet of the Civil Engineering Society will be held at the American House Monday, May 5, at 8.30 P. M. Tickets are \$1.50.

All men who have taken subscription books of the Tech to sell are requested to settle with Mr. Hopkins, Room 30 Rogers, at once.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

FOUND.—A fountain pen. Apply at Bursar's office.

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